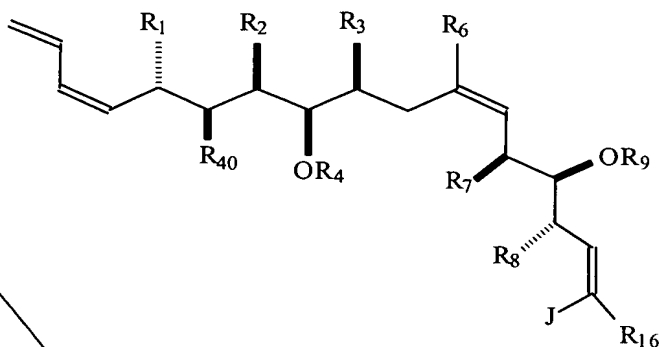


What is claimed is:

1. A compound of formula:



wherein:

5  $R_1, R_2, R_7$ , and  $R_8$  are independently selected from hydrogen and  $C_1$ - $C_{10}$  alkyl;

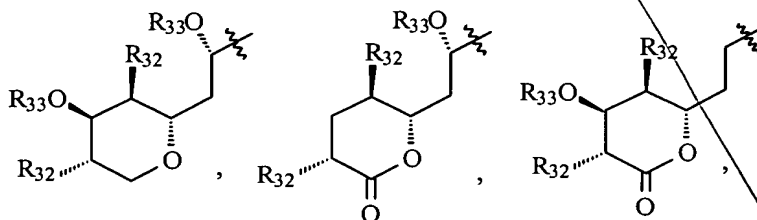
$R_3, R_6$ , and  $R_{16}$  are independently selected from hydrogen and  $C_1$ - $C_6$  alkyl;

10  $R_4$  and  $R_9$  are selected from hydrogen and acid labile protecting groups;

$R_{40}$  is selected from  $OR_{25}$  and  $OC(=O)NH_2$ ;

$R_{25}$  is selected from hydrogen and an oxidatively labile protecting group; and

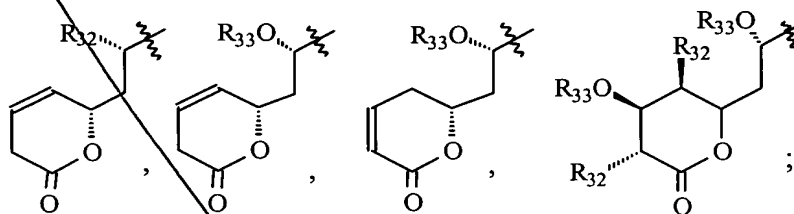
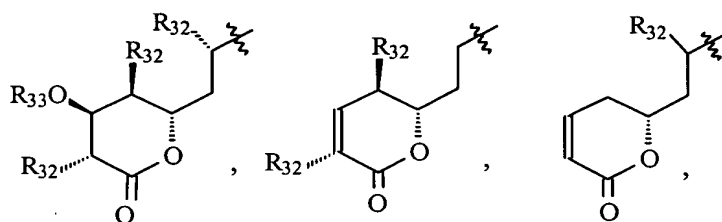
$J$  is selected from:



15

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alkaryl and alkheteroaryl wherein aryl and  
heteroaryl are optionally substituted and alk is optionally  
5 substituted with R<sub>32</sub> or OR<sub>33</sub>;

wherein:

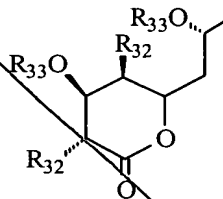
R<sub>32</sub> is selected from hydrogen and C<sub>1</sub>-C<sub>6</sub> alkyl; and

R<sub>33</sub> is selected from hydrogen and an acid labile hydroxy protecting group.

- 10            2.       The compound of claim 1 wherein R<sub>6</sub> is H.
3.       The compound of claim 1 wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>7</sub>,  
and R<sub>8</sub> are methyl.
4.       The compound of claim 1 wherein R<sub>4</sub>, R<sub>9</sub>, and  
R<sub>33</sub> are hydrogen.

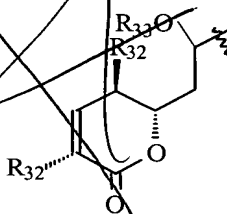
5. The compound of claim 1 wherein  $R_1$ ,  $R_2$ ,  $R_7$ , and  $R_8$  are methyl;  $R_4$ ,  $R_6$ , and  $R_9$  are hydrogen; and  $R_{40}$  is  $-\text{OC}(\text{O})\text{NH}_2$ .

6. ~~The compound of claim 5 wherein J is~~



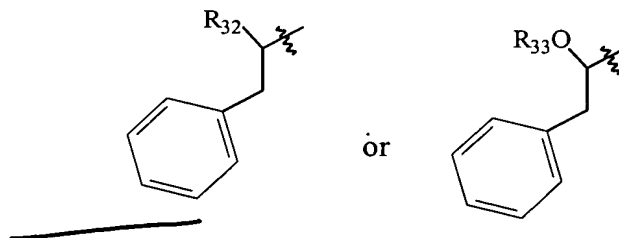
wherein  $R_{32}$  is methyl and  $R_{33}$  is hydrogen.

7. ~~The compound of claim 1 wherein  $R_1$ ,  $R_2$ ,  $R_6$ ,  $R_7$ , and  $R_8$  are methyl;  $R_4$  and  $R_9$  are H;  $R_{40}$  is  $-\text{OC}(\text{O})\text{NH}_2$ ; and J is~~



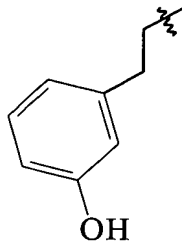
10 wherein  $R_{32}$  is methyl and  $R_{33}$  is H.

7. The compound of claim 1 wherein J is:

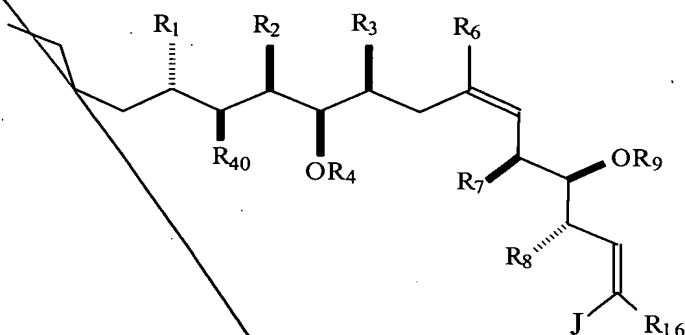


wherein the phenyl group is optionally substituted with  $\text{C}_1\text{-C}_4$  alkyl, haloalkyl, hydroxy, alkoxy, or haloalkoxy.

8. The compound of claim 7 wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_6$ ,  $R_7$  and  $R_8$  are methyl,  $R_4$ ,  $R_9$ , and  $R_{16}$  are hydrogen,  $R_{40}$  is  $-\text{OC}(=\text{O})\text{NH}_2$ , and  $J$  is:



5 10. A compound having the following formula:



wherein:

$R_1$ ,  $R_2$ ,  $R_7$ , and  $R_8$  are independently hydrogen or  $\text{C}_1$ - $\text{C}_{10}$  alkyl;

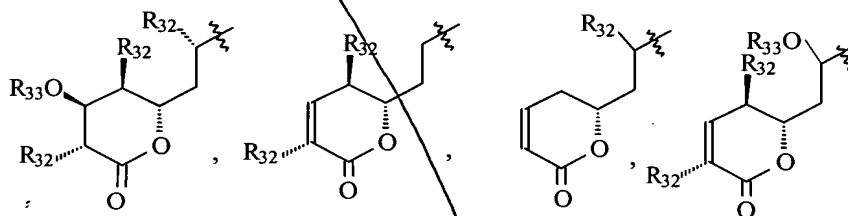
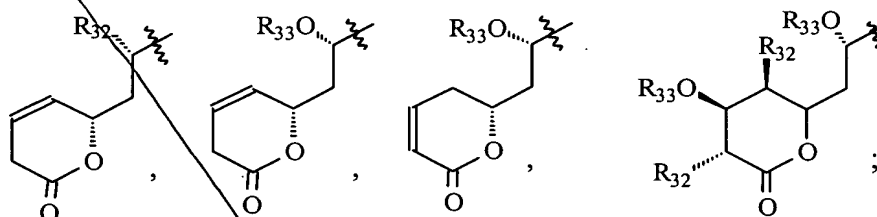
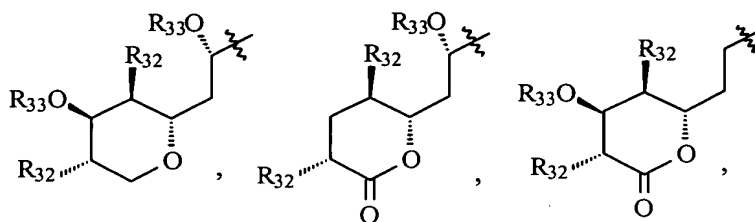
10  $R_3$ ,  $R_6$ , and  $R_{16}$  are independently hydrogen or  $\text{C}_1$ - $\text{C}_6$  alkyl;

$R_4$ , and  $R_9$  are independently hydrogen or acid labile protecting groups;

$R_{40}$  is selected from  $\text{OR}_{25}$  and  $\text{OC}(=\text{O})\text{NH}_2$ ;

15  $R_{25}$  is hydrogen or an oxidatively labile protecting group; and

$J$  is selected from:



alkaryl and alkheteroaryl wherein aryl and heteroaryl  
5 are optionally substituted and alk is optionally substituted  
with R<sub>32</sub> or OR<sub>33</sub>;

wherein

R<sub>32</sub> is hydrogen or C<sub>1</sub>-C<sub>6</sub> alkyl; and

10  $R_{33}$  is hydrogen or an acid labile hydroxy protecting group.

~~10~~ 11. The compound of claim ~~10~~<sup>9</sup> wherein R<sub>6</sub> is H.

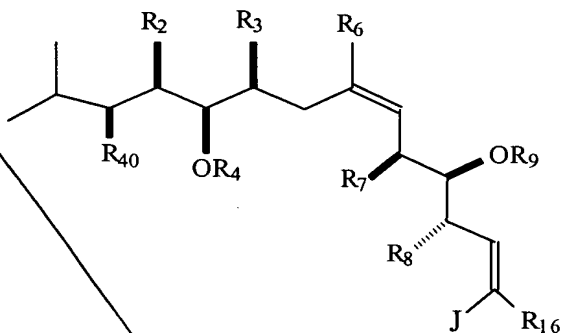
11. ~~12.~~ The compound of claim ~~10~~ wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>7</sub>, and R<sub>8</sub> are methyl.

12~~13~~. The compound of claim 10~~10~~ wherein R<sub>4</sub>, R<sub>9</sub>, and R<sub>33</sub> are hydrogen.

~~13~~ 14. The compound of claim ~~10~~ wherein  $R_1$ ,  $R_2$ ,  $R_7$ ,

and  $R_8$  are methyl;  $R_4$ ,  $R_6$ ,  $R_9$ , and  $R_{33}$  are H; and  $R_{40}$  is  $-\text{OC}(\text{O})\text{NH}_2$ .

15. A compound having the formula:



5 wherein

$R_2$ ,  $R_7$ , and  $R_8$  are independently hydrogen or  $\text{C}_1\text{-C}_{10}$  alkyl;

$R_3$ ,  $R_6$ , and  $R_{16}$  are independently hydrogen or  $\text{C}_1\text{-C}_6$  alkyl;

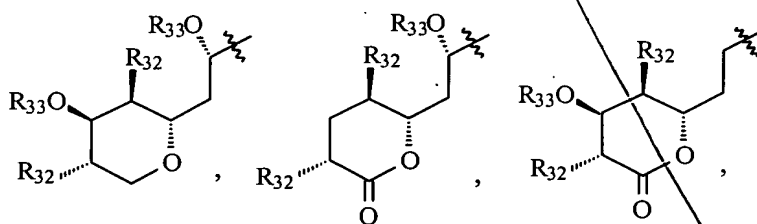
$R_4$ ,  $R_9$ , and  $R_{33}$  are independently hydrogen or acid labile protecting groups;

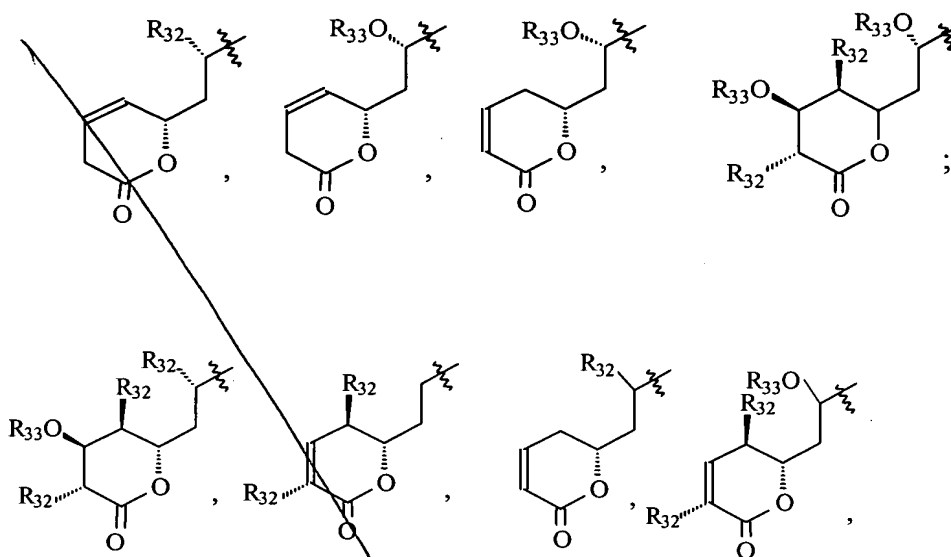
10  $R_4$  and  $R_9$  are independently hydrogen or acid labile protecting hydroxyl groups;

$R_{40}$  is selected from  $\text{OR}_{25}$  and  $\text{OC}(=\text{O})\text{NH}_2$ ;

$R_{25}$  is hydrogen or an oxidatively labile protecting group; and

15  $\text{J}$  is selected from:





alkaryl and alkheteroaryl wherein aryl and heteroaryl are optionally substituted and alk is optionally substituted  
5 with  $R_{32}$  or  $OR_{33}$ ;

wherein

$R_{32}$  is hydrogen or  $C_1$ - $C_6$  alkyl; and

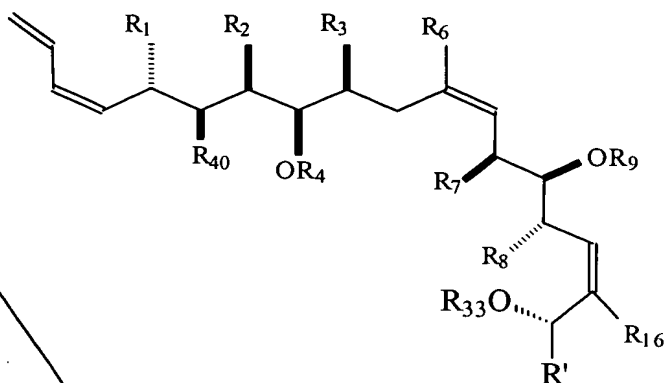
$R_{33}$  is hydrogen or an acid labile hydroxy protecting group.

10 <sup>15</sup>~~16~~. The compound of claim <sup>14</sup>~~15~~ wherein  $R_6$  is H.

<sup>16</sup>~~17~~. The compound of claim <sup>14</sup>~~15~~ wherein  $R_1$ ,  $R_2$ ,  $R_7$ ,  
and  $R_8$  are methyl.

18. A compound having the formula:

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wherein:

~~R<sub>1</sub>, R<sub>2</sub>, R<sub>7</sub>, and R<sub>8</sub> are independently hydrogen or C<sub>1</sub>-C<sub>10</sub> alkyl;~~

R<sub>3</sub>, R<sub>6</sub>, and R<sub>16</sub> are independently hydrogen or C<sub>1</sub>-C<sub>6</sub> alkyl;

~~R<sub>4</sub>, R<sub>9</sub>, and R<sub>33</sub> are independently hydrogen or acid labile protecting groups;~~

R<sub>4</sub>, R<sub>9</sub>, are independently hydrogen or acid labile  
10 protecting hydroxyl groups;

R<sub>25</sub> is hydrogen or an oxidatively labile protecting group;

R<sub>40</sub> is selected from OR<sub>25</sub> and OC(=O)NH<sub>2</sub>;

R' is methyl or alkyl-R"; and

15 R" is C<sub>1</sub>-C<sub>10</sub> alkoxy, hydroxy, or ~~C~~(O)CH<sub>3</sub>.

~~18~~ 19. The compound of claim ~~17~~ wherein R<sub>6</sub> is hydrogen.

~~19~~ 20. The compound of claim ~~18~~<sup>17</sup> wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>7</sub>, R<sub>8</sub> are methyl.



